





Chemical-free water purification system



Federal Ministry for Economic Affairs and Energy

on the basis of a decision by the German Bundestag









Technical data:

Flow rate: max. 4 m3/h

Cartridge filter: 16/5 µ

Carbon filter: 2

Net weight: 572 kg

Dimensions (L x W x H mm):

2220 x 1190 x 1840

230 V; < 5 kW incl. optionally integrated pump; choice of 50 or 60 Hz. pump

Water inlet:

2" BSP inner thread (2" outer threat with included fitting)

Water outlet:

2" BSP outer thread + fitting to 60/63mm water hose



NEC-10000 unit at the NECON production facilities in South-West Germany.

One of a whole batch of units ready-to-go for drinking water project in Peru, supported by German government development aid.



Scan QR code for more information on this project

The mobile solution!

Murky rivers and similar surface waters are standard water supply sources for rural communities.



Solution: Use NEC-10000 to treat water at the source, then deliver to and store at water reservoirs.



moving from place to place.

Bottled samples of water pumped from the stream on the right and treated by NEC-10000.

One unit -

Multiple use!

Once treated surface water is delivered to local water reservoirs in local villages, it may be supplied directly to households (via pipeline network, where existing) or collected by residents.

Same time, treated water may be also used for crop irrigation, or other purposes.

1 Drinking water

Disaster aid vironmental disasters ting-off whole geographic

connected to municipality water supply networks and thus have no other option than to use untreated water sources

For communities that are not

NECON now even treats arsenic pollution!

Environmental disasters cutting-off whole geographic areas from supply of drinking water, call for high-output water treatment, that may be swiftly deployed and moved between areas in need.

Four

applications –

One solution:

NEC-10000

4

Farmers face serious harvest-crippling due to

Farming

- polluted irrigation water,
- plant and crop fungus, and
- excess arsenic accumulation in produce (rice, wheat flour, vegetables).

Authorities and purchasers of produce becoming aware of disease-causing arsenic accumulation in human body!

Water as a resource becomes too valuable to be simply discharged into the canal or nearest river after use.

Industry use

Increasingly, municipal water supply is subjected to quotas, often due to increasing dry periods.

Thus production plants are forced to take water supply in their own hands.

Field test surface water:

Treating stagnant water



Impressions of a stagnant pond in some Rhine valley backwoods.

This kind of water is the only drinking water supply available to millions of people worldwide.

Yet the solution is ready to go!





Watch the video now:



Field test industry use:

Treating water from sedimentation basin

Sedimentation is widely used as a first remedy for trying to better murky surface waters or to recycle process water.

Below-right comparison shows that treatment with NEC-10000 will greatly improve the result.

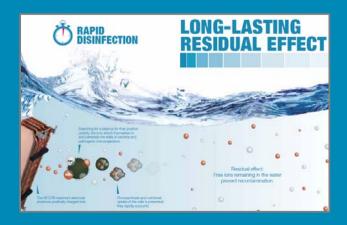
Besides, NEC-10000 operates fully automatic, whereas timely regular sludge removal from drinking water reservoirs tends to be neglected in remote areas with rather loose administrative networks.

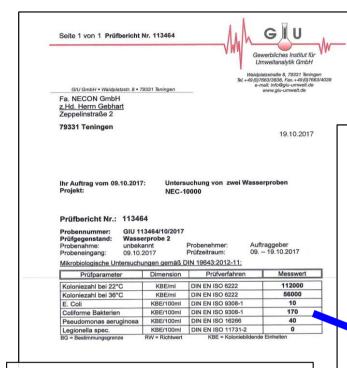


Much more than just filtration:

NECON water remains potable for extended period, enabling safe extended storage in reservoirs.

Achieved by combining filtration with NECON 100% chemical-free disinfection electrolysis:





Microbiological testing results by German state-accredited lab

Sparkasse Freiburg Nordt, Breisg. BLZ 680 501 01 Konto-Nr. 20069997 IBAN DESOE80501010020069997 SWIFT-BIC: FRSPDF88 Deutsche Bank Freiburg BLZ 680 700 30 Konto-Nr. 308908 IBAN DE13680700240030890 SWIFT, RIC: DEUTDEOBERE Imisgericht: FR + HRB 260814 ISt.-ID-NR: DE 141993679 + St.- Nr. 65077/00947 Seschäftsführer: Jipl.-Chem.Hans Albrich D-Michael Millier

DAKKS
Deutsche
Akkreditieru
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The added benefit of combining filtration with the NECON process:

The water **remains perfectly drinkable** (bacteria-free and safe for human consumption).

Even in situation where it is not immediately consumed but stored.

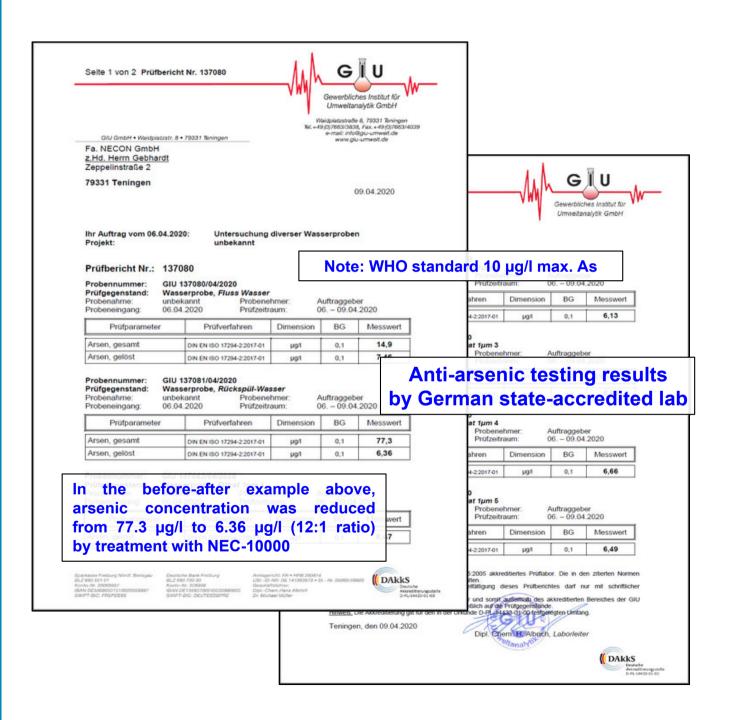


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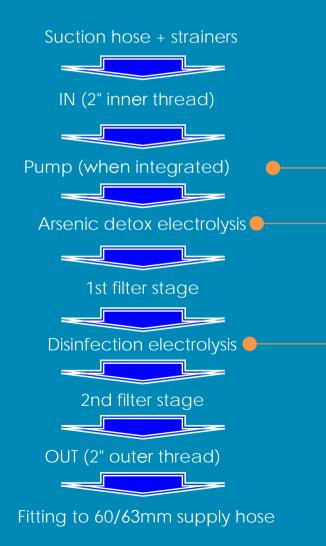
New – added removal of arsenic pollution:

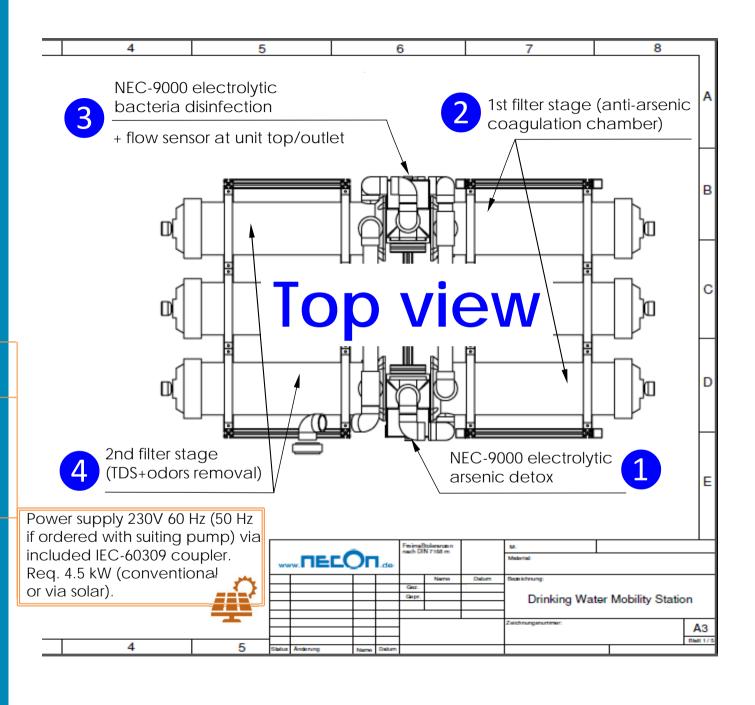
The same familiar NECON systems as those already on the market for disinfection may simply be fitted with anti-arsenic electrodes instead of those for control of harmful microorganisms.





P & I Overview:





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Product description, incl. technical specifications, correspond to the state of technology in Germany at last publication time.

Technical or other modifications such as color variations, as well as availability are subject to revisions without prior notice.

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